

$$\frac{2}{x|0}$$

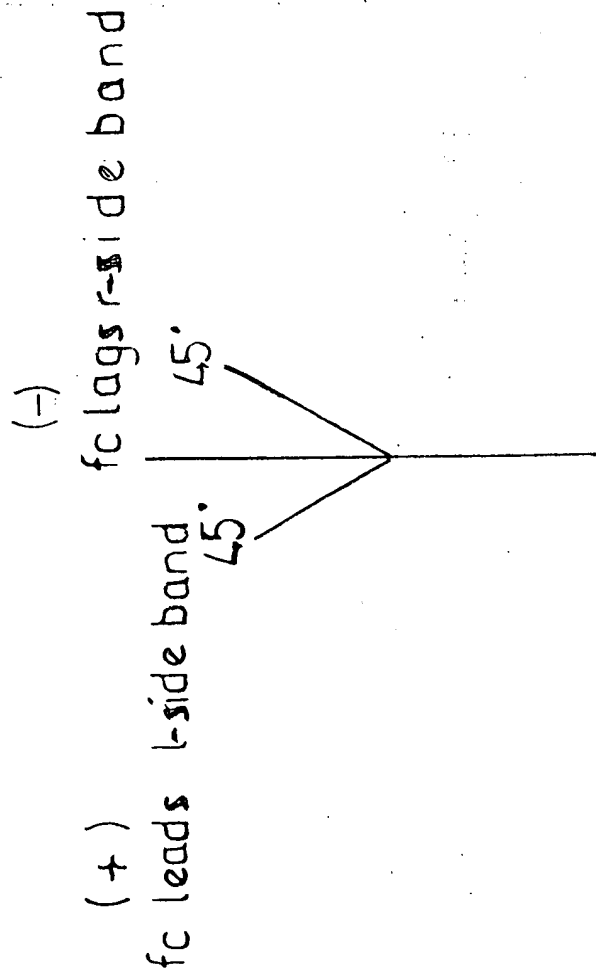
$$f1 = \sqrt{(c+c)}$$



AM-1 (nbsn)

Keith Jones aka Jabari
raven/vs
60/463103
04/11/03

**BEST AVAILABLE COPY**



SSTV AM stereo

700kc

692kc

45°

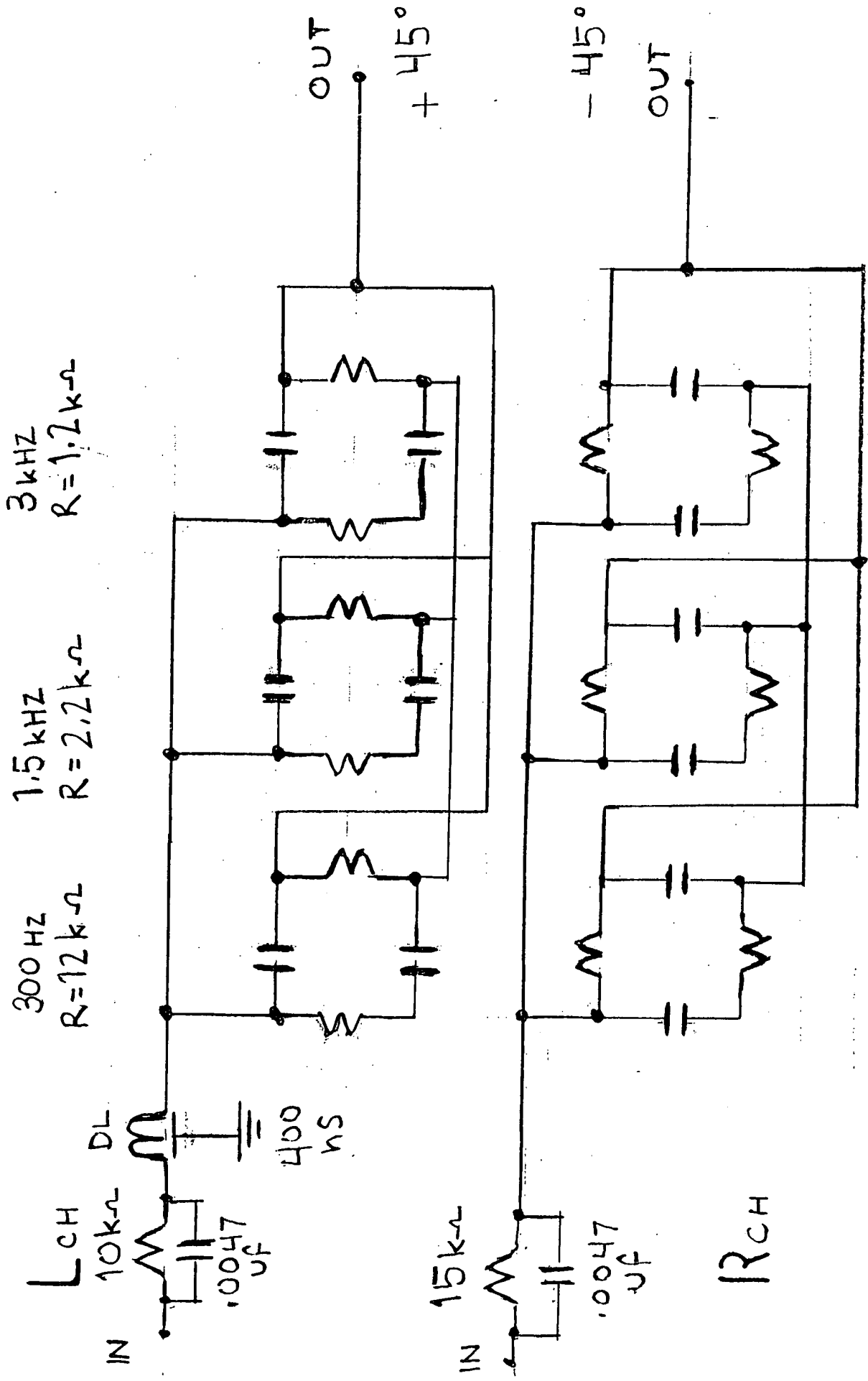
45°

690-694

695 - 705

(15kc wide)

fig2

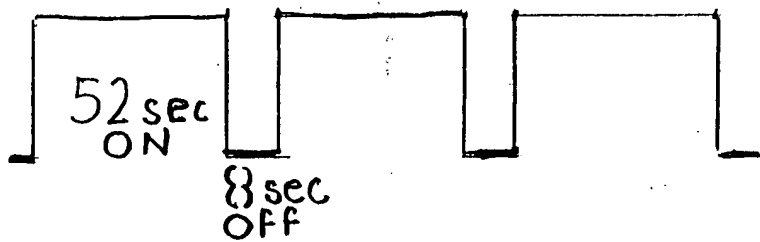
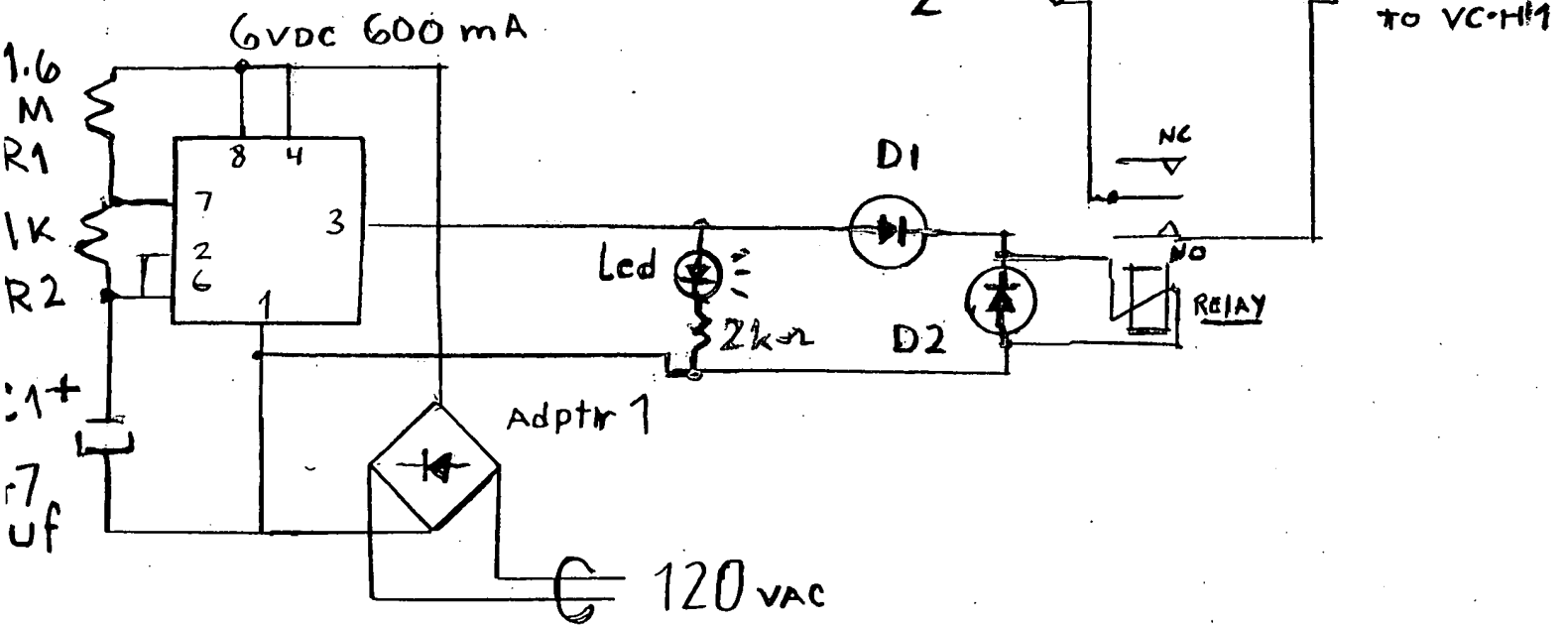


$C \times 12 = .047\mu F$

3 phase Network

4-14-03  
 Keith Jones  
 ab. taken!

LM555



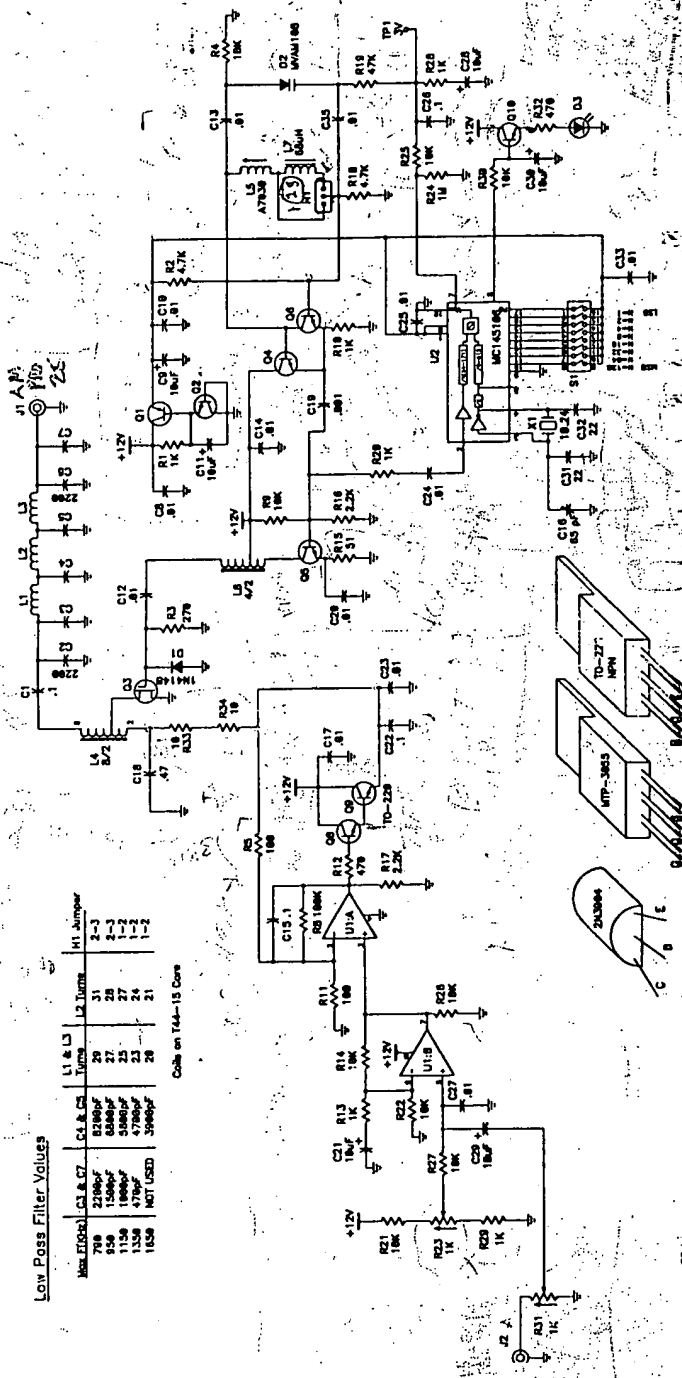
$$t_{d\text{ ON}} = (R_1 + R_2) C_1 \times 0.69$$

$$t_{d\text{ OFF}} = R_2 \times C_1 \times 0.69$$

auto  
switch

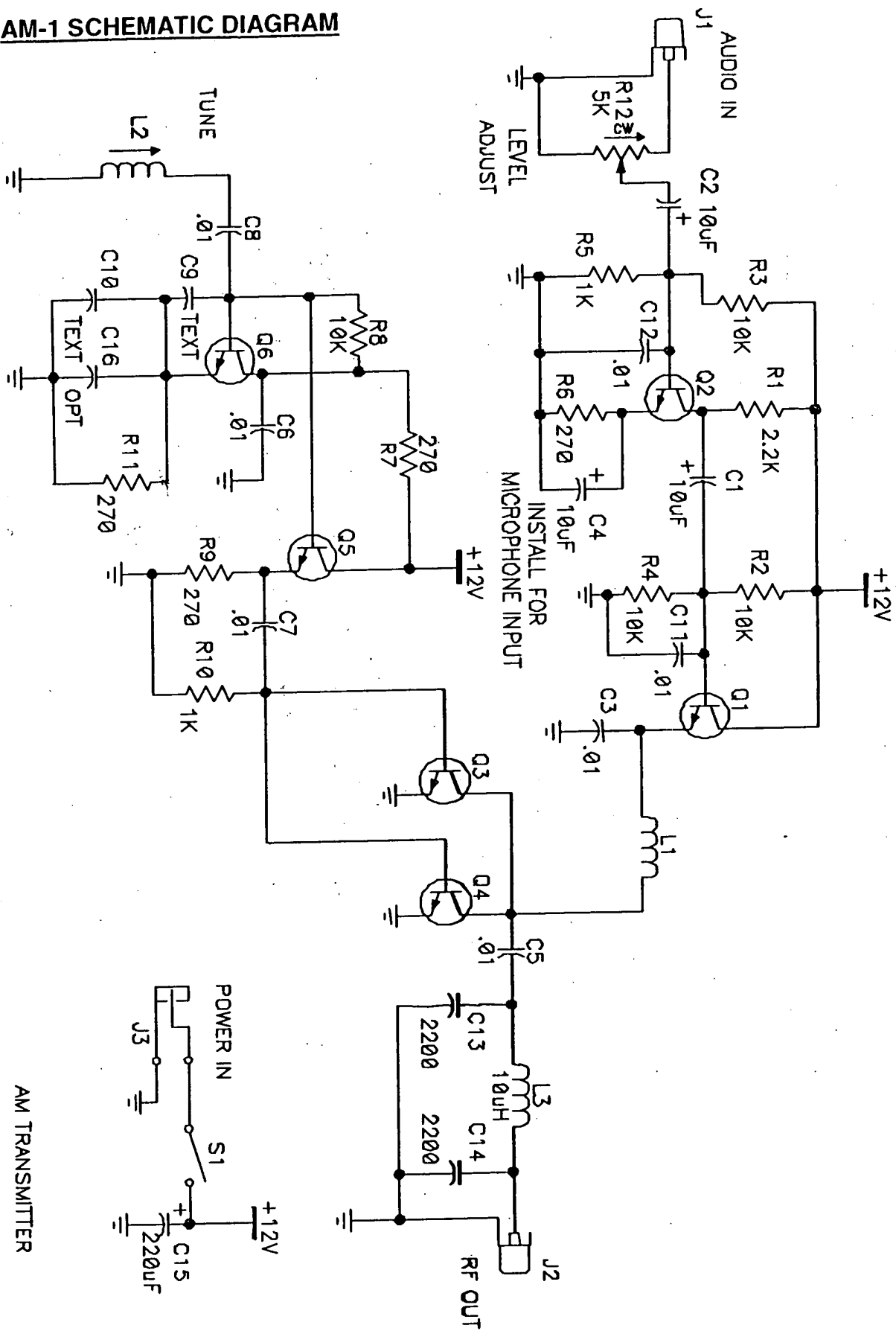
Keith Jones  
aka Jabari  
4-14-03

# AM-25 SCHEMATIC DIAGRAM



RAMSEY AM-25 AM BROADCAST TRANSMITTER KIT

# AM-1 SCHEMATIC DIAGRAM

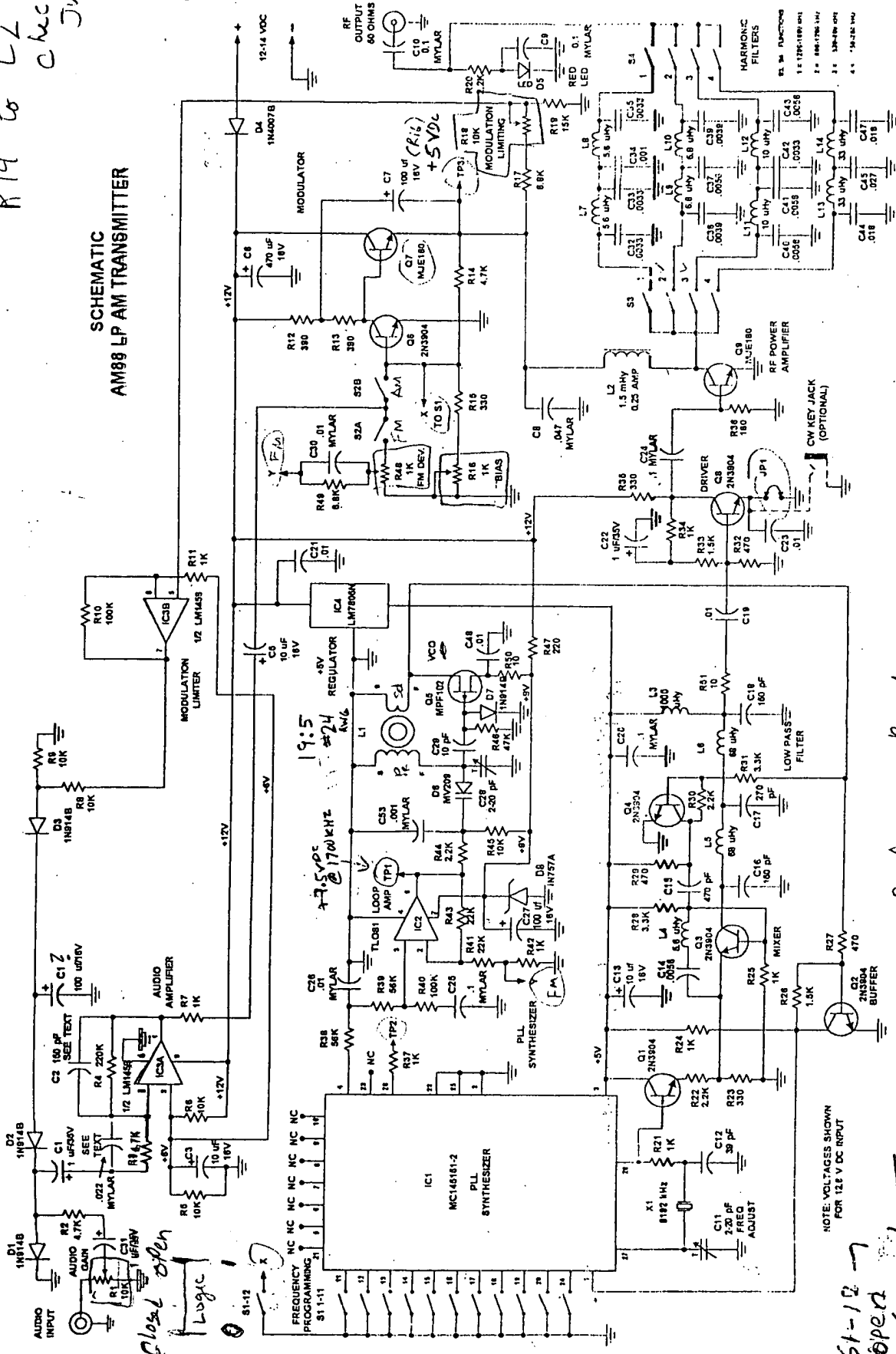


AM TRANSMITTER

R14 to L2  
 check +  
 jumper  
 C6 to R47

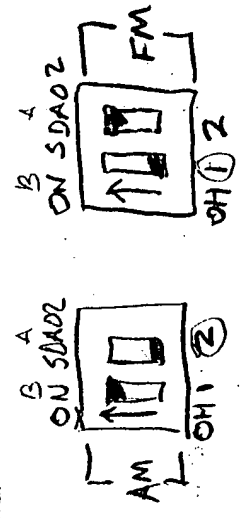
BW 4Kc  
 12u  
 330K  
 100K  
 100K  
 100K

# SCHEMATIC AM88 LP AM TRANSMITTER



NOTE: VOLTAGES SHOWN FOR 12.6 V DC INPUT

51-12 - open  
 close IC1  
 open = logic 1  
 closed = logic 0



OFF - open - OH = Logic 1

12	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0

# VC-H1 Wire Connections Using Optional Cable E30-3352-08

Color	Orange	Orange	Yellow	Yellow	White	White	Gray	Gray	Pink	Pink	Shield
Markings	Orange	Red	Black	Red	Black	Red	Black	Red	Black	Red	Black
Pin No.	4	5	6	7	8	9	11	13	14	15	16

Note: Pins 1, 2 and 10 are not connected. Pins 3 and 12 are jumpered.

Pin 1 is indicated by a triangle



THIS IS DATA PART ON VCH1  
SEE SERVICE MANUAL FOR DATA PORT ON VCH1

VC-H1 Connections for SSTV and speaker microphone	
Wire Color	VCH1 Pin No.
Orange/Red Shield	4 → Chassis Ground 16
Yellow/Black Gray/Red	7 → PTT 11
Pink/Red	14 → Audio Input (Microphone)
White/Black Gray/Black	9 → Audio Output ** 13

VC-H1 Connections for SSTV	
Wire Color	VCH1 Pin No.
Orange/Red Shield	4 → Chassis Ground 16
Yellow/Black	7 → PTT
White/Red	8 → Audio Input (Microphone)
White/Black	9 → Audio Output **

VC-H1 Connections for TS-570/TS-870	
Wire Color	VCH1 Pin No.
Orange/Red	4 → 8 Chassis Ground
Yellow/Black	7 → 9 PTT
Yellow/Red	8 → 11 Audio Input
White/Black	9 → 3 Audio Output
Shield	16 → 12 Shield 4

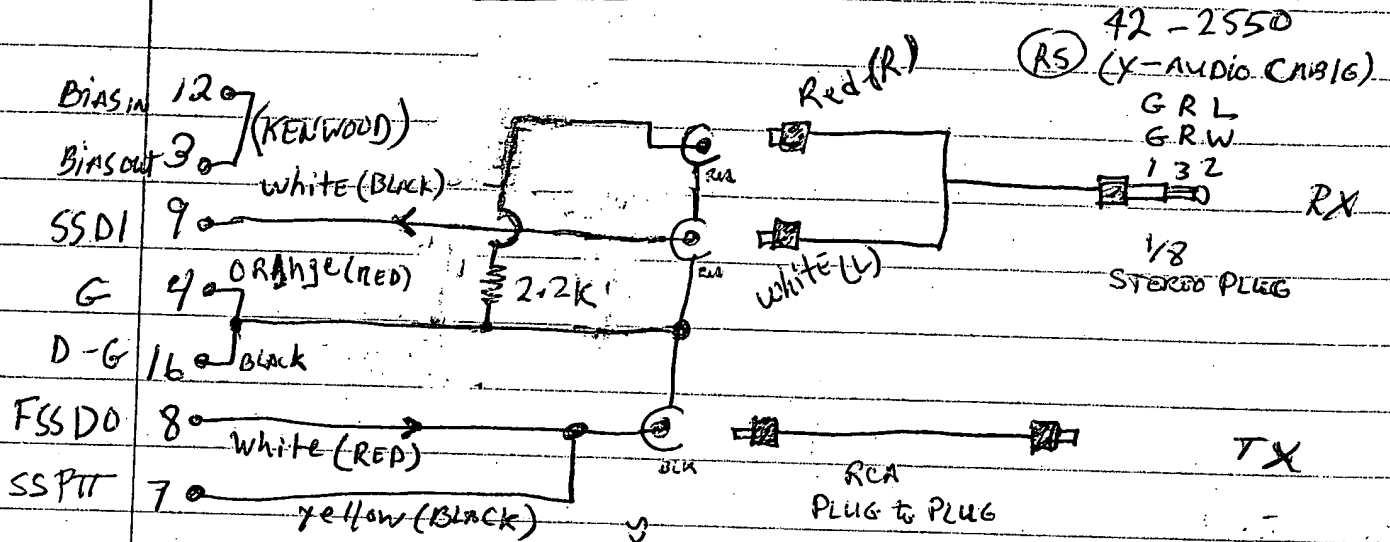
\*\* A 47uf 16v capacitor may be needed to avoid audio distortion

SERIES ? CA PARALLEL

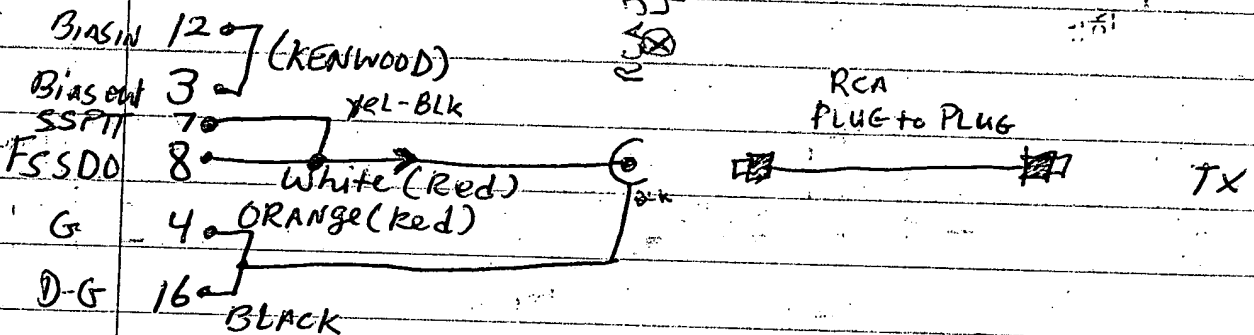


E30-3352-08

DATA PORT



DATA PORT



NO, 2 (SSDO) = 8 (FSSDO)

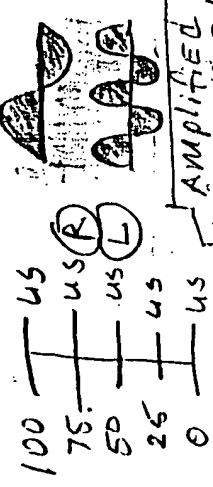
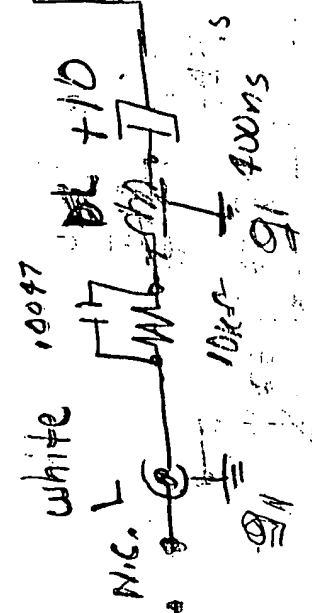
WWW.KENWOOD.NET

TIP of PAGE DOWN load click

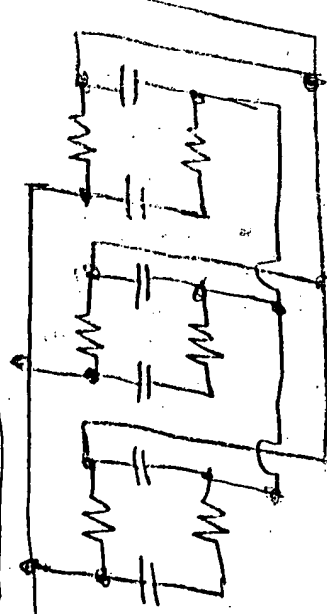
CONNECTORS (x the most Bytes) click

(6 pages)

50us HPF  
PRE-EMPHASIS (SYNC)  
112KΩ 2.2KΩ 112KΩ  
300HZ 1.55KHZ 3KHZ

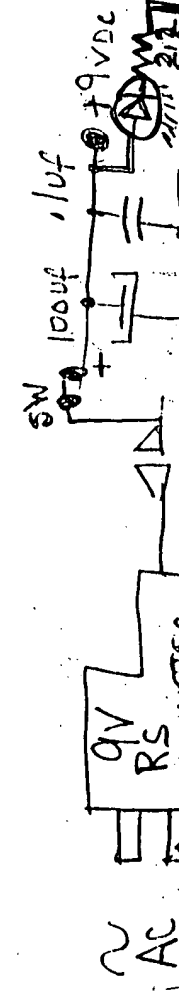


75us HPF (SYNC)  
PRE-EMPHASIS  
15KΩ + 10  
10097

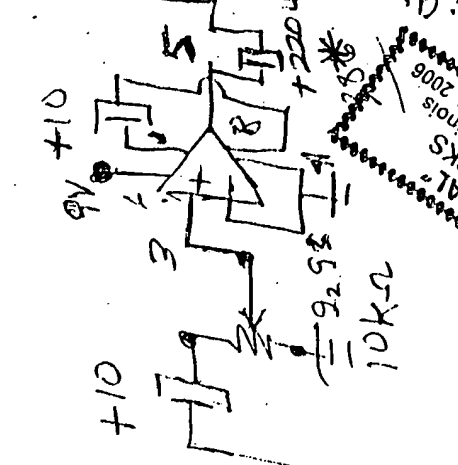
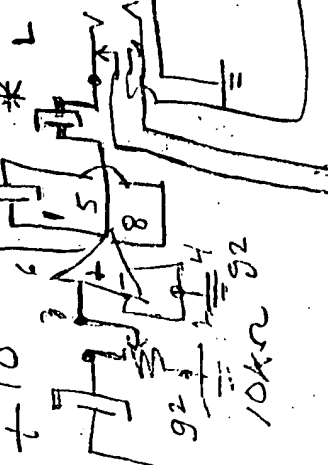


TO AM  
RX  
HEAD/PHONE  
300HZ 1.55KHZ 3KHZ  
112KΩ 2.2KΩ 112KΩ  
10097

RF10  
shack  
1/8 STEREO  
PLUG



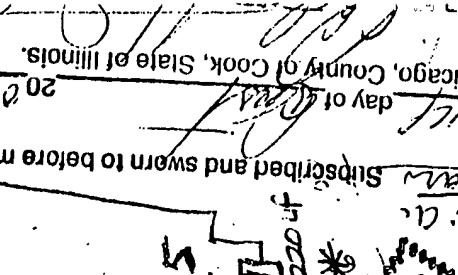
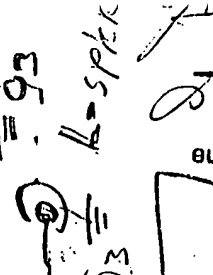
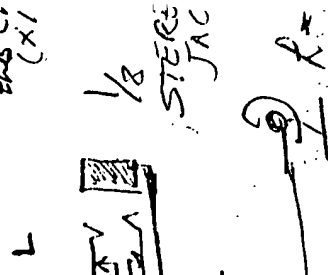
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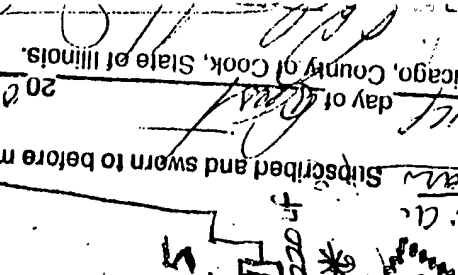
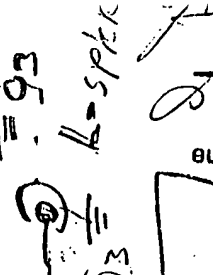
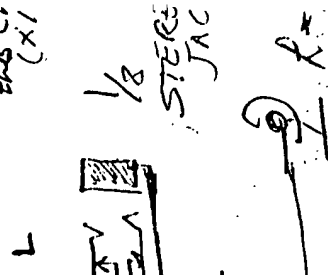
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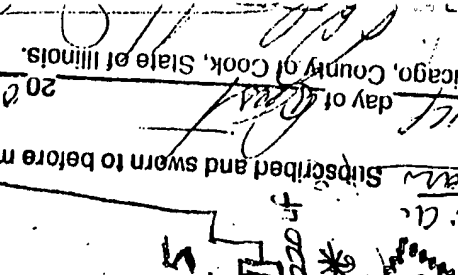
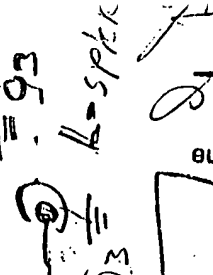
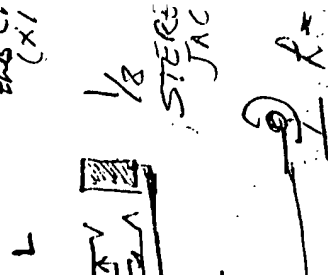
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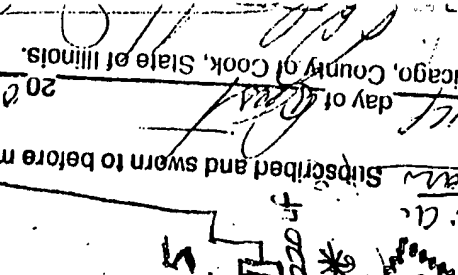
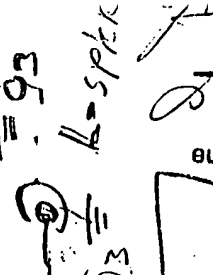
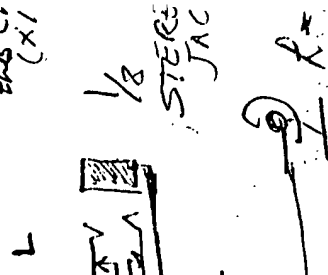
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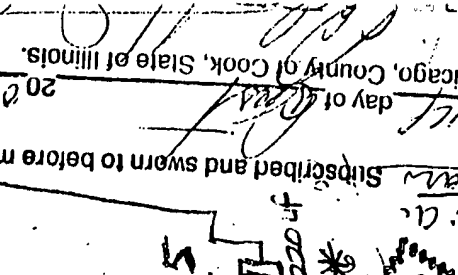
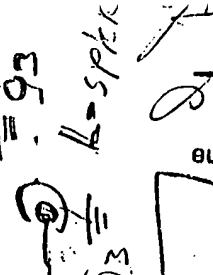
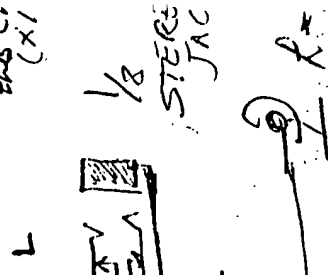
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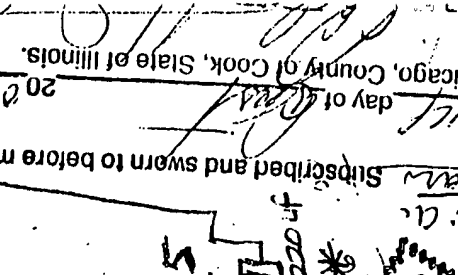
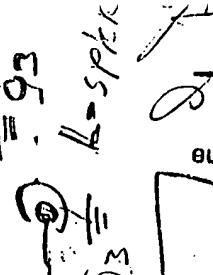
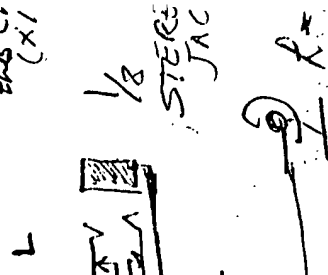
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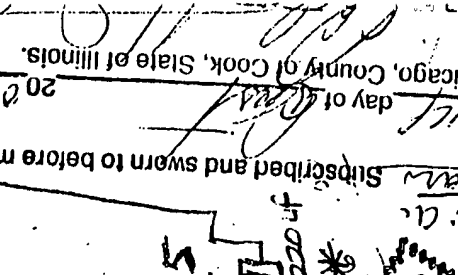
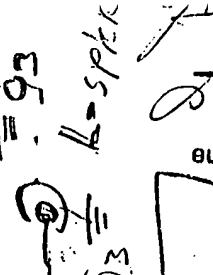
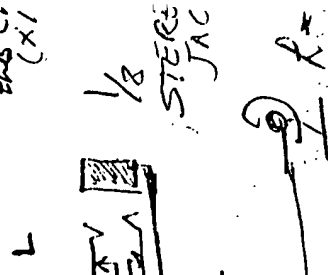
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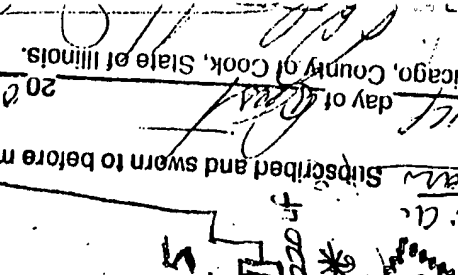
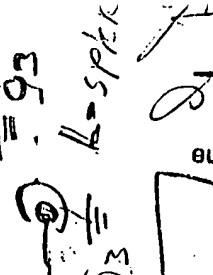
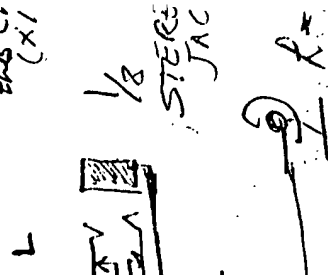
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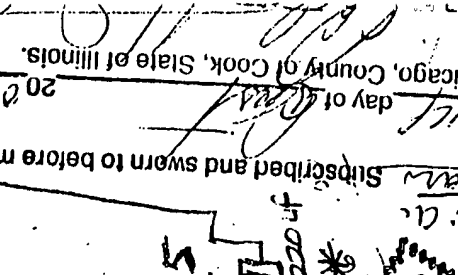
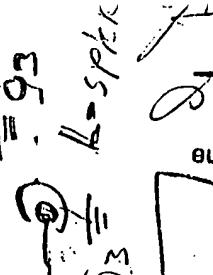
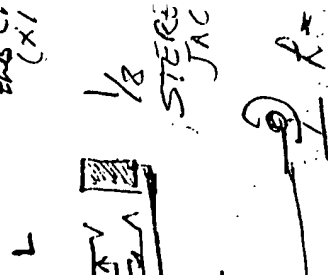
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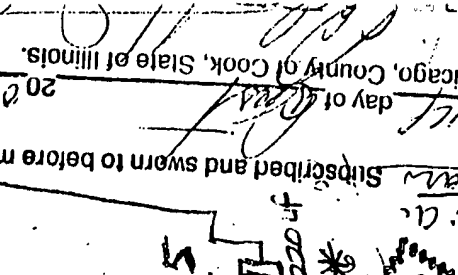
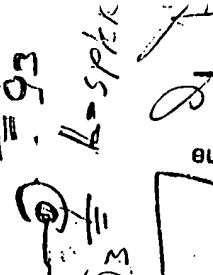
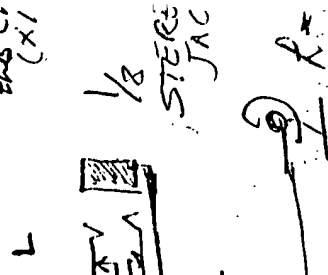
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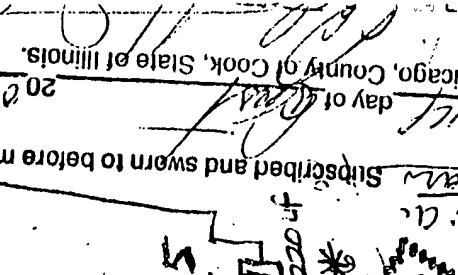
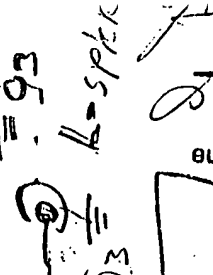
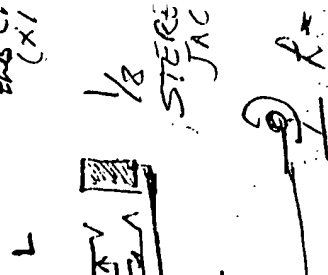
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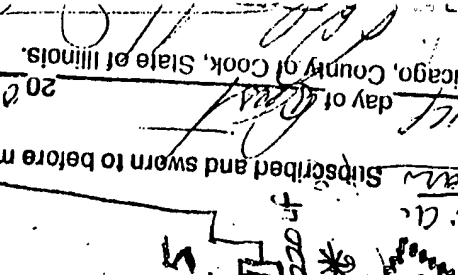
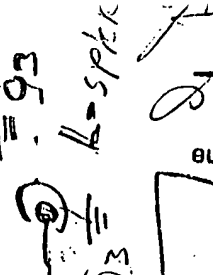
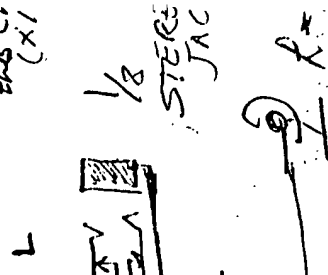
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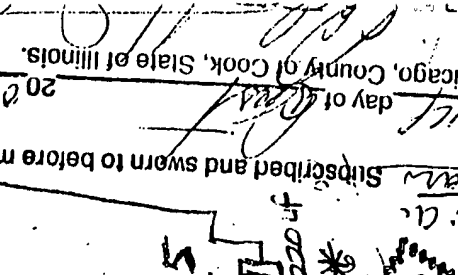
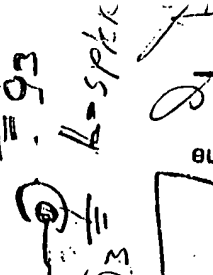
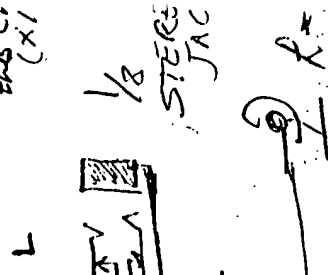
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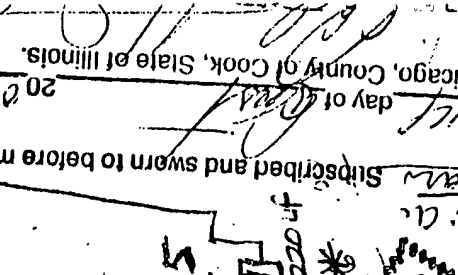
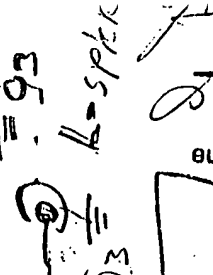
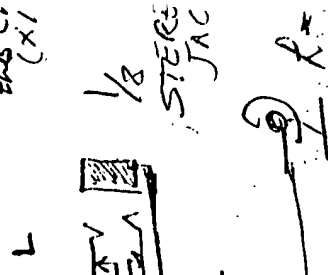
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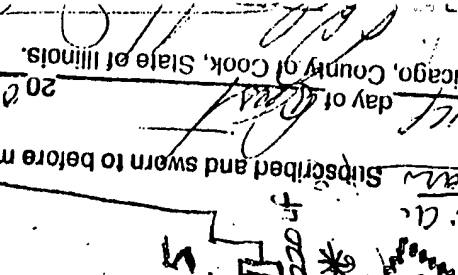
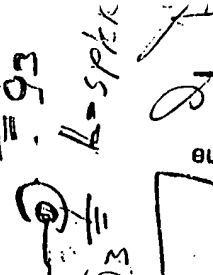
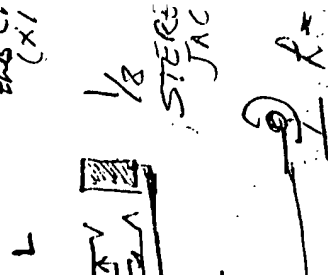
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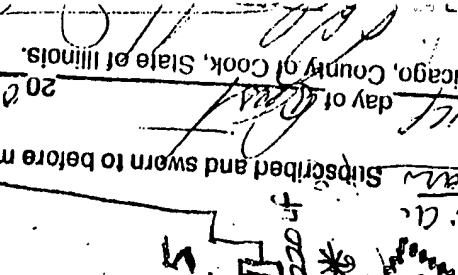
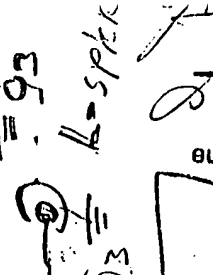
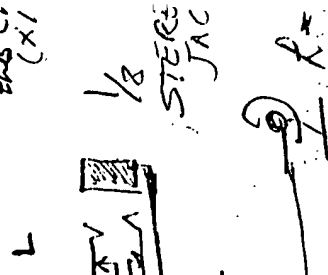
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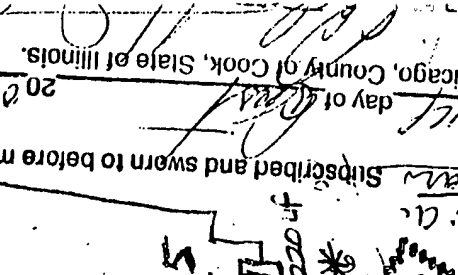
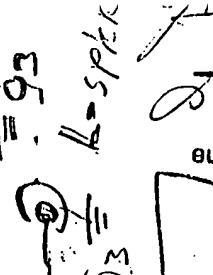
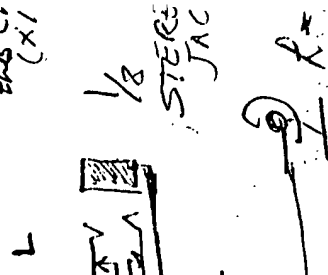
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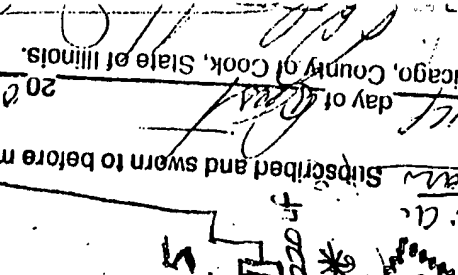
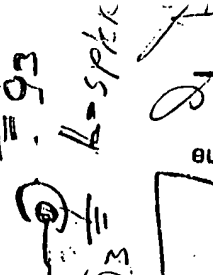
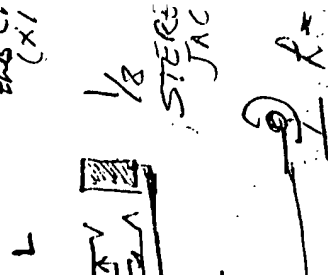
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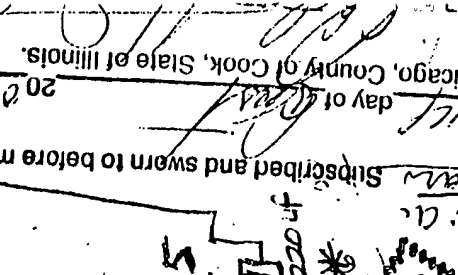
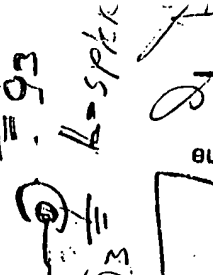
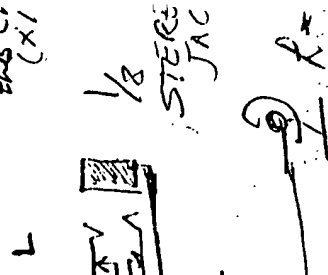
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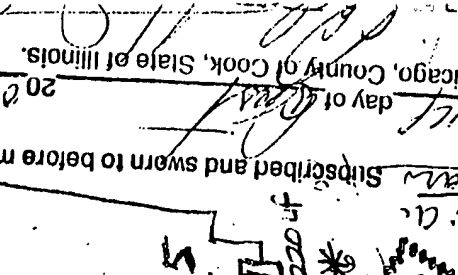
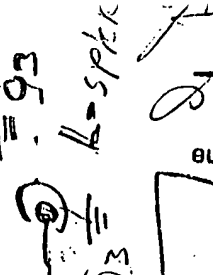
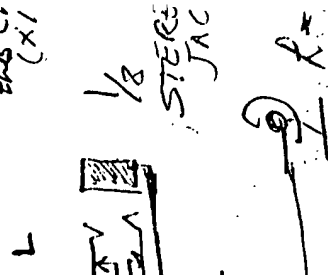
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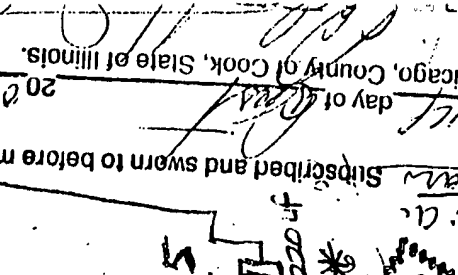
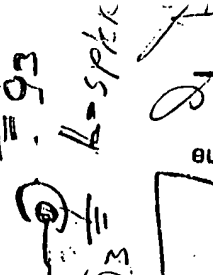
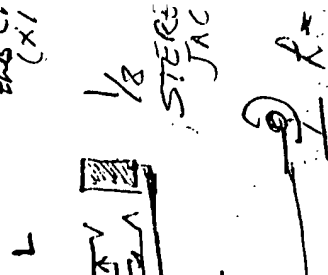
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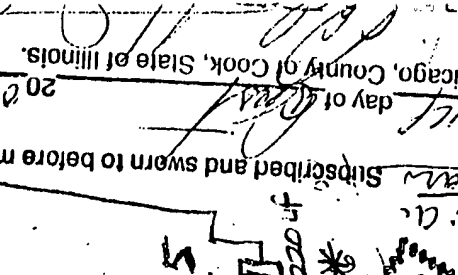
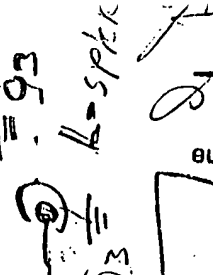
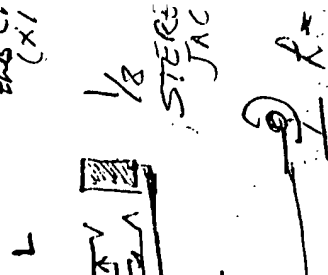
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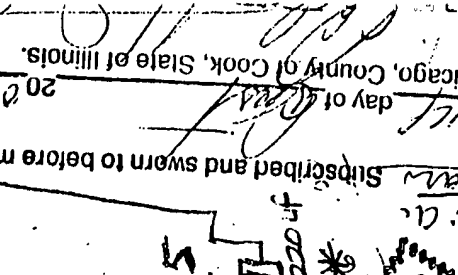
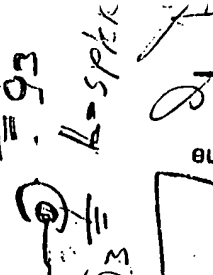
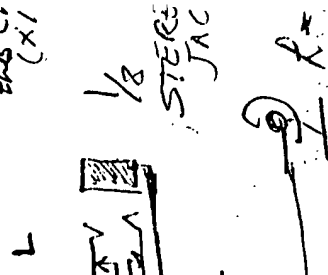
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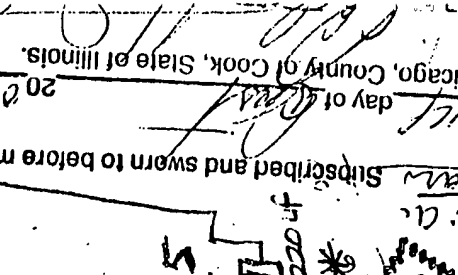
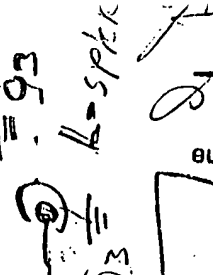
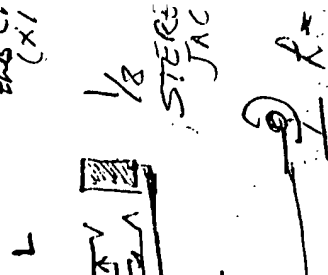
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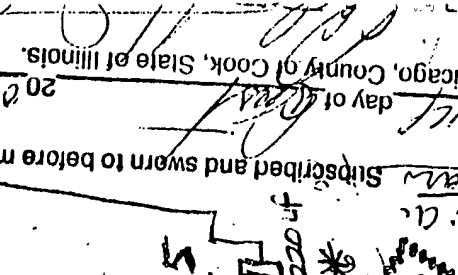
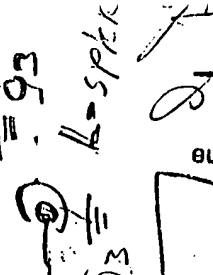
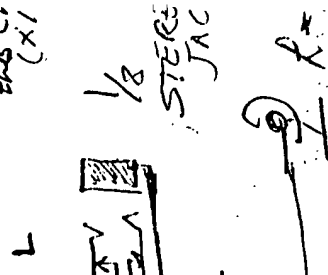
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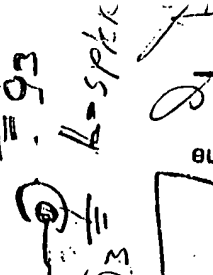
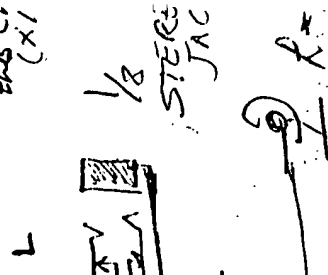
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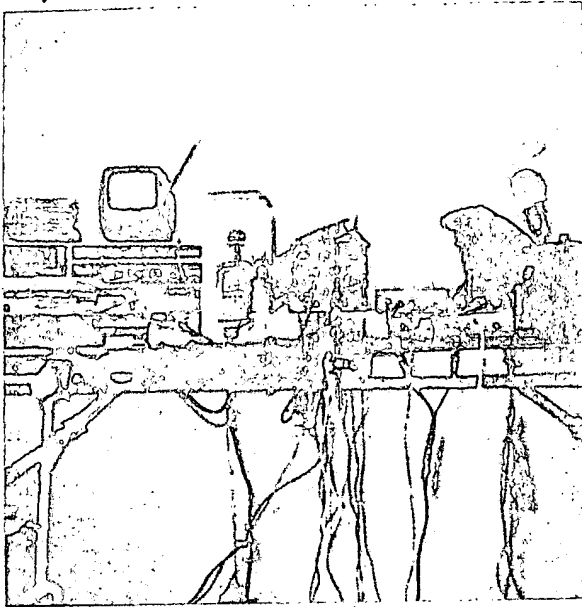
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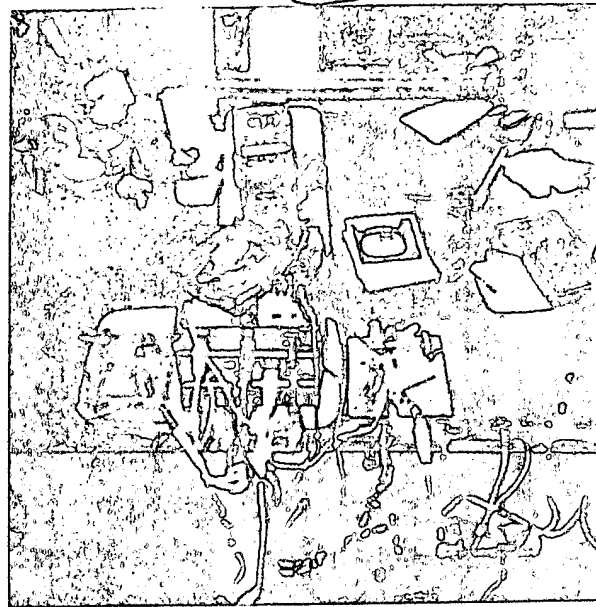


# TRANSMITTER SIGHT

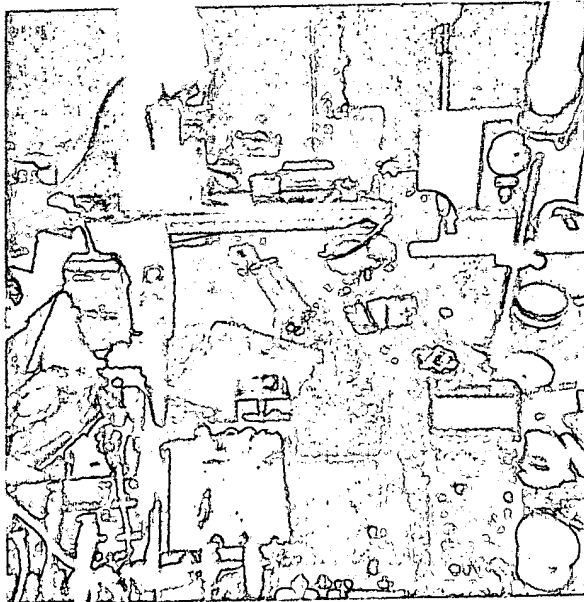


TV MONITOR VC-HI  
 AM/FM RECIEVER LAMP  
 DVD PLAYER AM VIDE  
 STEREO TX

# VC-HI LIVE BROADCAST

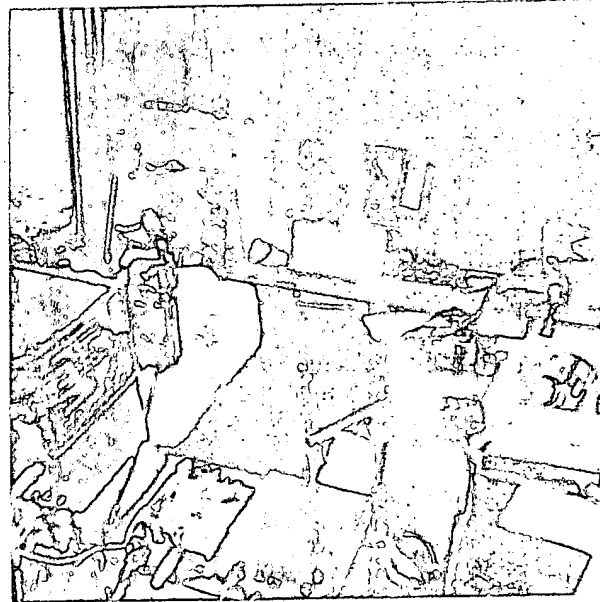


AUTO Switch for VC-HI	AM STEREO TX 700Kc BW 10Kc	AM VIDEO TX 692Kc BW 4Kc	NBFM VIDEO TX (AM BAND) 691Kc BW 3Kc
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AM STEREO AM FM DMM  
 TX VIDEO TX

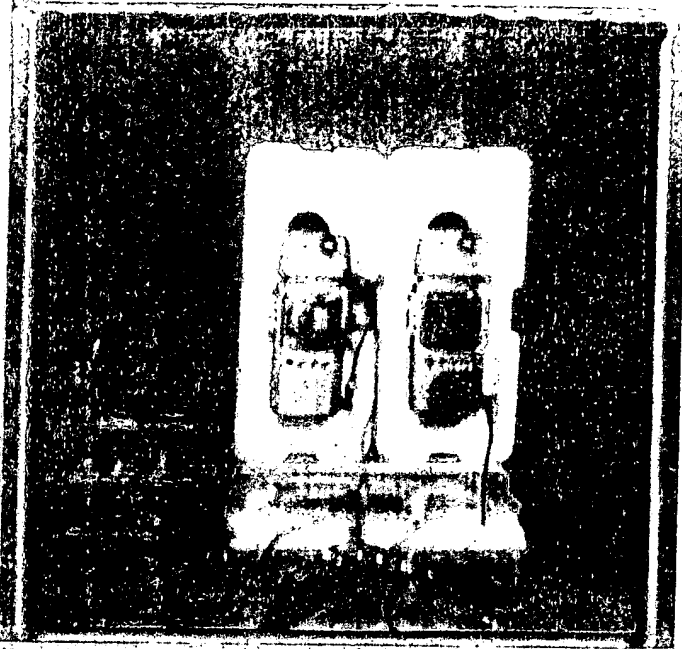
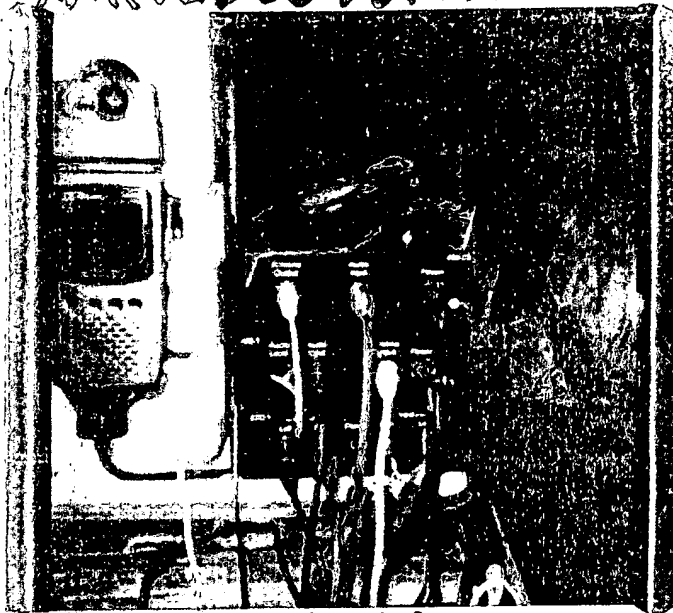
# VC-HI DVD/VHS BROADCAST



AM VIDEO TX DMM  
 STEREO AM NBFM  
 TX

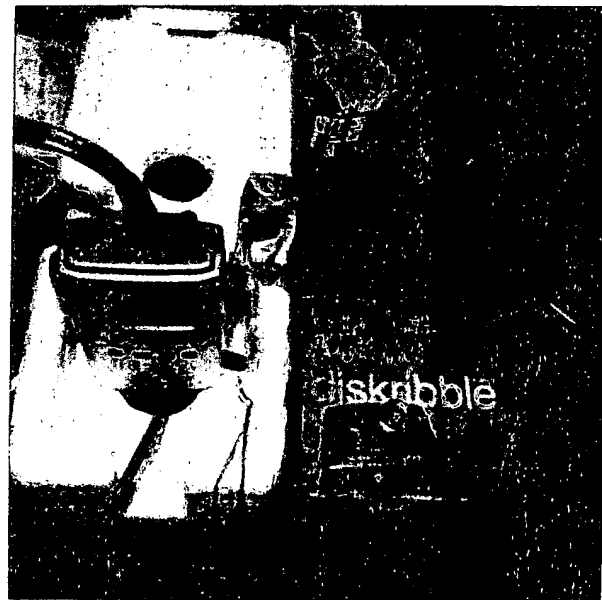
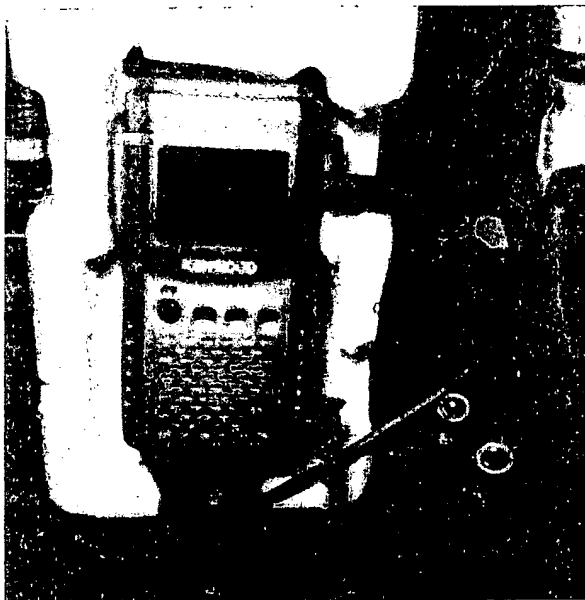
# VC-HI CD COVER BROADCAST

AM(VIDEO) STEREO



R'WOOD	RAMSEY	PLASTIC BOX
VC-HI	AM25	PHASE NETS
(SSTV)	AM 1	(45')-TDM.
	STC 1	DELAY LINE

JS417-PS02R



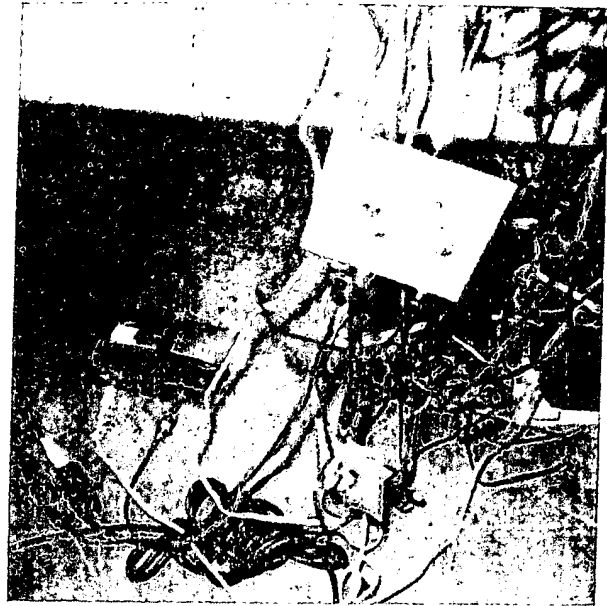
VC-HI AS A RECIEVER FROM  
the WALKMAN HEAD PHONE JACK  
to the TV VIDEO INPUT PORT

VC-HI AS A TRANSMITTER  
FROM the DVD/VHS PLAYER  
to the VIDEO AM OR FM TX

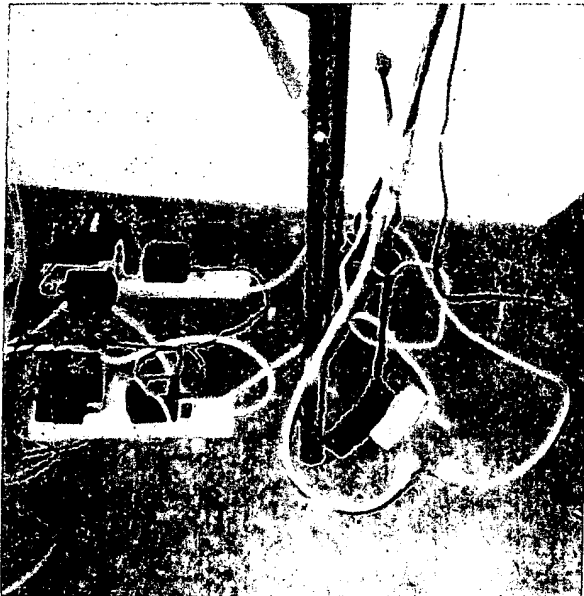
# ANTENNA SIGHT



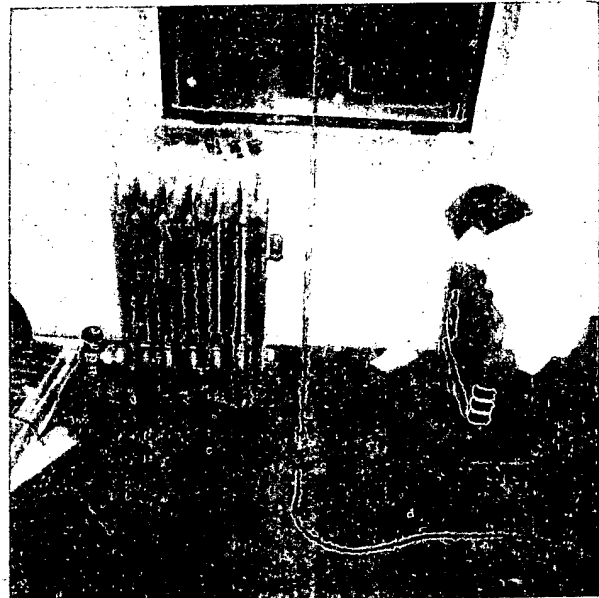
- DIEPLEXER
- ANTENNA TUNER



- ANTENNA STACKER 135uh
- DIEPLEXER
- ANTENNA TUNER

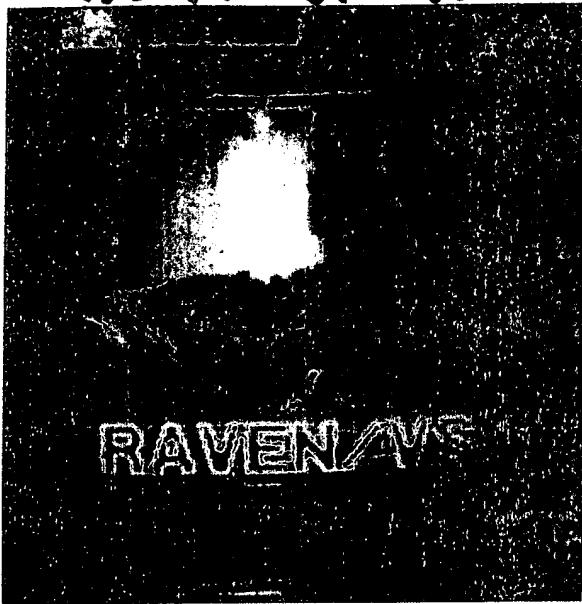


- SEPERATE POWER STRIPS
- AM STEREO TX AND STC-1
  - VC-HI/AUTO SW, AM/FM VIDEO TX
  - TV MONT, DVD PLNR (NOT SHOWN)



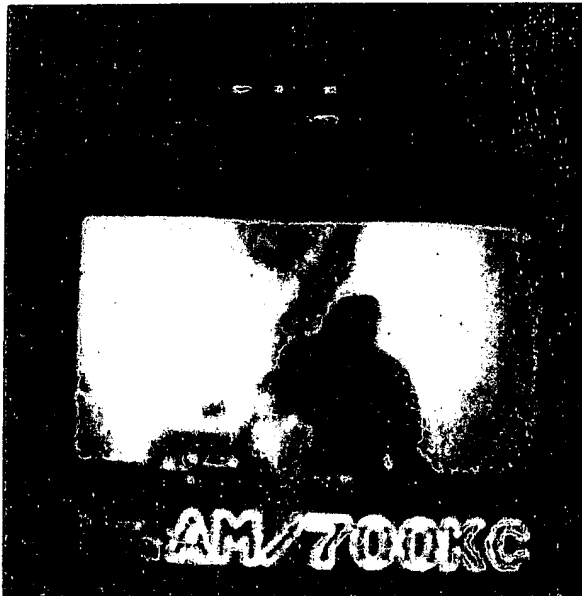
- ANTENNA BASE  
(CABLE FROM STACKER)

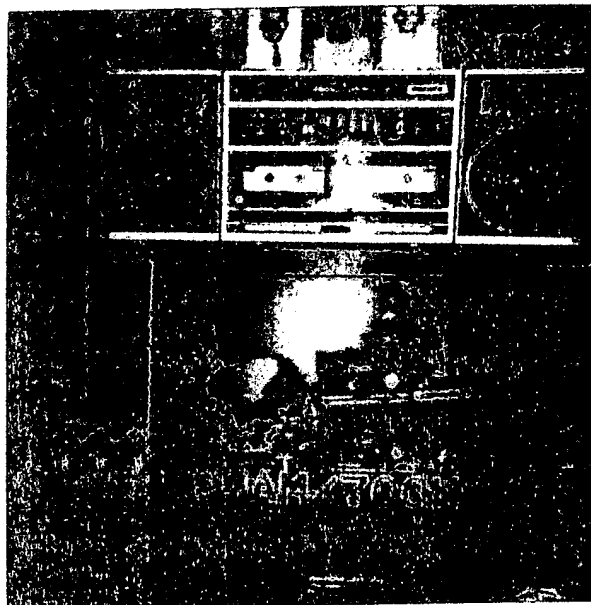
# VIDEO AM STEREO

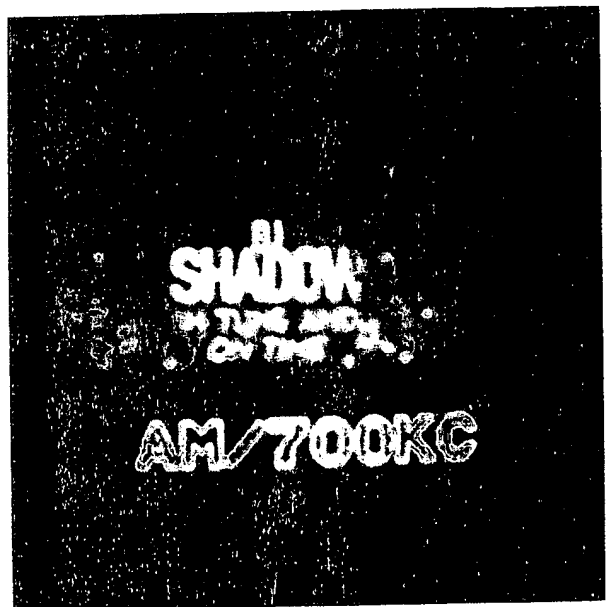


SEE ME THE FATHER OF  
THE RADIO VISION Electronic  
Network / Viewing System.

• VCR+HI from RADIO HEAD phone JACK  
TO TV VIDEO INPUT PORT FOR VIDEO  
• SEPERATE RADIO(not shown) for AUDIO



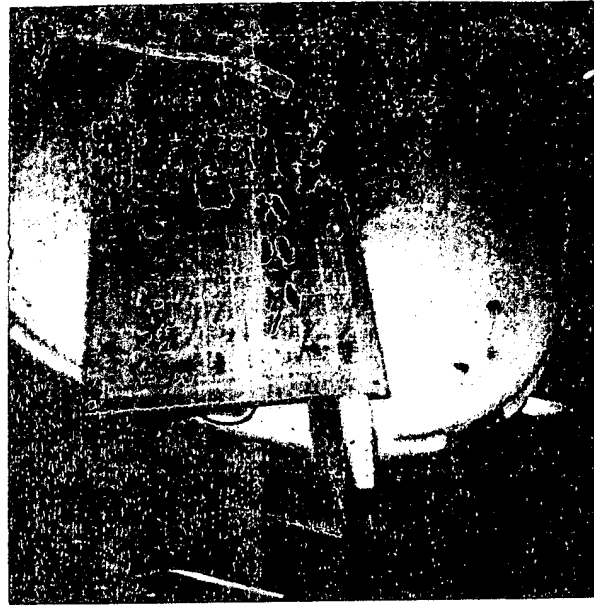
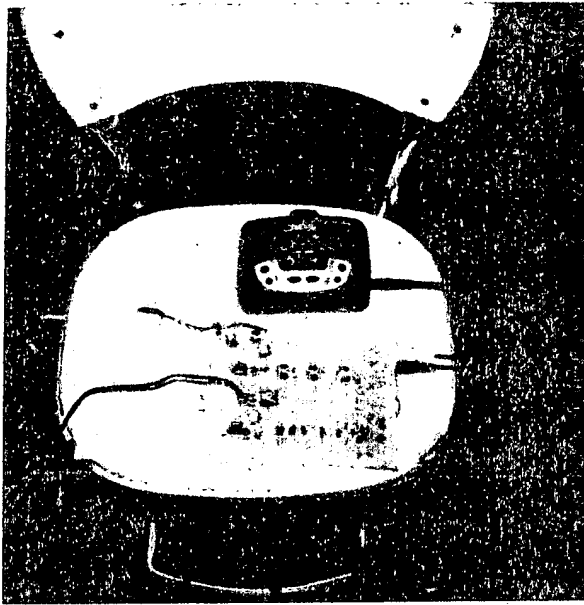






PSUDO AM STEREO  
(RAVEN AF AM STEREO

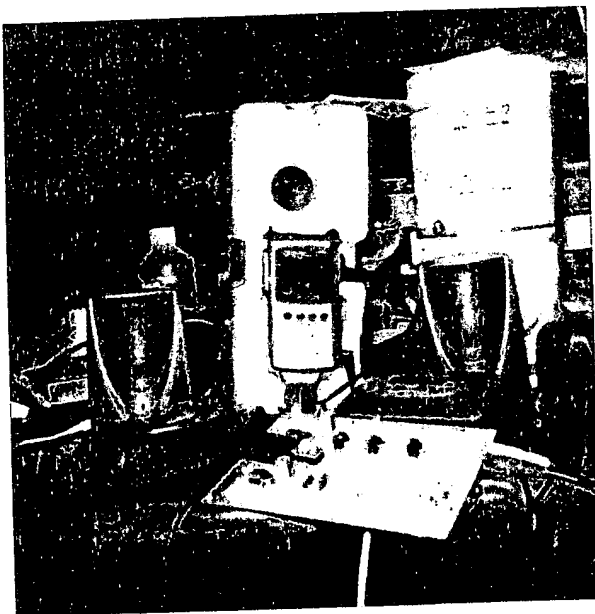
FROM THE HEADPHONE JACK  
ADAPTER HEADPHONE JACK) RAAS



AM RADIO PLUS  $\pm 45^\circ$   
PHASE BOARD EQUALS  
PSUDO AM STEREO FROM ANY  
AM BROADCAST STATION

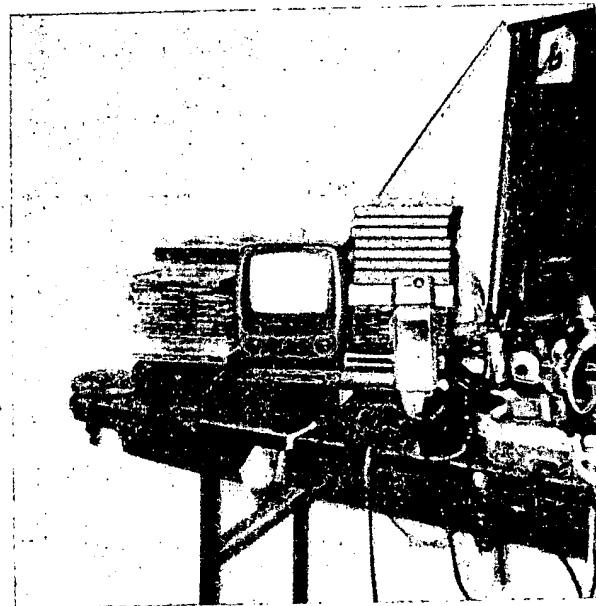
(+) AND (-)  
LEFT RIGHT  
45 DEGREES

PSUDO  
AM STEREO  
PCB  
(RAAS)



WALKMAN ⊕ RAAS ⊕ SPEAKER \*  
= PSUDO AM STEREO

WALKMAN ⊕ VC-11 ⊕ TV  
(OPTIONAL) = VIDEO for the Radio



TRANSMITTER SIGHT  
DVD'S TV MONTR CD'S  
DVD PLAYER

\* SPEAKER PAIR MUST CONTAIN  
A PAIR OF WOOFERS AND TWEETERS  
(HEADPHONES OR SPEAKERS WITH MID RANGE ONLY  
WILL HAVE NO EFFECT)  
(P-)

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